

IN THE CLAIMS

1. - 73. (cancelled)

74. (previously presented) A method of processing broadcast content, comprising:

storing output display attributes of a connected display device;

receiving digital broadcast signals over a first medium;

decoding the received digital broadcast signals into AV data that includes visual and audio information and into supplementary data that includes content data having content attributes;

obtaining at least one style sheet via a distribution channel over a second medium, the first medium and the second medium being different media, the at least one obtained style sheet including format information used to set the display format of images to be displayed by a given display device;

selecting a particular style sheet from the at least one obtained style sheet based on the stored output display attributes and the decoded content attributes such that images that are displayed by the connected display device are of a particularly suitable format for the connected display device; and

processing the content data using the particular style sheet for display by the connected display device.

75. (previously presented) The method of claim 74, wherein the content data is written in a computer language format that includes arbitrarily definable tags.

76. (previously presented) The method of claim 75, wherein the computer language format includes extended markup language (XML) tags.

77. (previously presented) The method of claim 74, wherein the content data includes data selected from the group consisting of text data, still picture data, animation data, and voice data.

78. (previously presented) The method of claim 74, wherein the selected style sheet includes scripts that define the format information as a function of the stored display attributes.

79. (currently amended) A method of processing broadcast content, comprising:

storing output display attributes of a connected display device, the stored output display attributes including at least one output display attribute selected from the group consisting of ~~a device resolution,~~ a device manufacturer's name, and a device model name;

receiving digital broadcast signals;

decoding the received digital broadcast signals into AV data that includes visual and audio information and into supplementary data that includes content data having content attributes;

obtaining at least one style sheet via a distribution channel, the at least one obtained style sheet including format information used to set the display format of images to be displayed by a given display device;

selecting a particular style sheet from the at least one obtained style sheet based on the stored output display attributes and the decoded content attributes such that images that are displayed by the connected display device are of a particularly suitable format for the connected display device; and

processing the content data using the particular style sheet for display by the connected display device.

80. (previously presented) The method of claim 74, wherein said step of obtaining at least one style sheet includes obtaining a plurality of style sheets, and said step of selecting a particular style sheet includes selecting at least one of the plurality of style sheets.

81. (cancelled)

82. (previously presented) The method of claim 74, wherein the second medium is a network, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from a remotely located server via the network.

83. (previously presented) The method of claim 74, wherein the second medium is a portable recording medium, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from the portable recording medium.

84.-88. (cancelled)

89. (previously presented) An apparatus for processing broadcast content, comprising:

a holding section operable to store output display attributes of a display device connected to said apparatus;

a receiver operable to receive digital broadcast signals over a first medium;

a decoder operable to input the digital broadcast signals supplied by said receiver and to decode the digital broadcast signals into AV data that includes visual and audio information and into supplementary data that includes content data having content attributes;

a selecting section operable to obtain at least one style sheet via a distribution channel over a second medium, the first medium and the second medium being different media, the at least one obtained style sheet including format information used to set the display format

of images to be displayed by a given display device, and to select a particular style sheet from the at least one obtained style sheet based on the output display attributes supplied by said holding section and the content attributes supplied by said decoder such that images that are displayed by the connected display device are of a particularly suitable format for the connected display device; and

a processor operable to process the content data using the particular style sheet selected by said selecting section for display by the connected display device.

90. (previously presented) The apparatus of claim 89, wherein the content data is written in a computer language format that includes arbitrarily definable tags.

91. (previously presented) The apparatus of claim 90, wherein the computer language format includes extended markup language (XML) tags.

92. (previously presented) The apparatus of claim 89, wherein the content data includes data selected from the group consisting of text data, still picture data, animation data, and voice data.

93. (previously presented) The apparatus of claim 89, wherein the selected style sheet includes scripts that define the format information as a function of the stored display attributes.

94. (currently amended) An apparatus for processing broadcast content, comprising:

a holding section operable to store output display attributes of a display device connected to said apparatus, the stored output display attributes including at least one output display attribute selected from the group consisting of a ~~device resolution,~~ a device manufacturer's name, and a device model name;

a receiver operable to receive digital broadcast signals;

a decoder operable to input the digital broadcast signals supplied by said receiver and to decode the digital broadcast signals into AV data that includes visual and audio information and into supplementary data that includes content data having content attributes;

a selecting section operable to obtain at least one style sheet via a distribution channel, the at least one obtained style sheet including format information used to set the display format of images to be displayed by a given display device, and to select a particular style sheet from the at least one obtained style sheet based on the output display attributes supplied by said holding section and the content attributes supplied by said decoder such that images that are displayed by the connected display device are of a particularly suitable format for the connected display device; and

a processor operable to process the content data using the particular style sheet selected by said selecting section for display by the connected display device.

95. (previously presented) The apparatus of claim 89, wherein said selecting section is operable to obtain a plurality of style sheets, and to select at least one particular style sheet from the plurality of style sheets.

96. (cancelled)

97. (previously presented) The apparatus of claim 89, wherein the second medium is a network, and said selecting section is operable to obtain the at least one style sheet from a remotely located server via the network.

98. (previously presented) The apparatus of claim 89, wherein the second medium is a portable recording medium, and said selecting section is operable to obtain the at least one style sheet from the portable recording medium.

99.-103. (cancelled)

104. (previously presented) A computer-readable medium recorded with instructions for carrying out a method of processing broadcast content, said method comprising:

storing output display attributes of a connected display device;

receiving digital broadcast signals over a first medium;

decoding the received digital broadcast signals into AV data that includes visual and audio information and into supplementary data that includes content data having content attributes;

obtaining at least one style sheet via a distribution channel over a second medium, the first medium and the second medium being different media, the at least one obtained style sheet including format information used to set the display format of images to be displayed by a given display device;

selecting a particular style sheet from the at least one obtained style sheet based on the stored output display attributes and the decoded content attributes such that images that are displayed by the connected display device are of a particularly suitable format for the connected display device; and

processing the content data using the particular style sheet for display by the connected display device.

105. (previously presented) The recordable computer-readable of claim 104, wherein the content data is written in a computer language format that includes arbitrarily definable tags.

106. (previously presented) The computer-readable medium of claim 105, wherein the computer language format includes extended markup language (XML) tags.

107. (previously presented) The computer-readable medium of claim 104, wherein the content data includes data selected from the group consisting of text data, still picture data, animation data, and voice data.

108. (previously presented) The computer-readable medium of claim 104, wherein the selected style sheet includes scripts that define the format information as a function of the stored display attributes.

109. (currently amended) A computer-readable medium recorded with instructions for carrying out a method of processing broadcast content, said method comprising:

storing output display attributes of a connected display device, the stored output display attributes including at least one output display attribute selected from the group consisting of ~~a device resolution~~, a device manufacturer's name, and a device model name;

receiving digital broadcast signals;

decoding the received digital broadcast signals into AV data that includes visual and audio information and into supplementary data that includes content data having content attributes;

obtaining at least one style sheet via a distribution channel, the at least one obtained style sheet including format information used to set the display format of images to be displayed by a given display device;

selecting a particular style sheet from the at least one obtained style sheet based on the stored output display attributes and the decoded content attributes such that images that are displayed by the connected display device are of a particularly suitable format for the connected display device; and

processing the content data using the particular style sheet for display by the connected display device.

110. (previously presented) The computer-readable medium of claim 104, wherein said step of obtaining at least one style sheet includes obtaining a plurality of style sheets, and said step of selecting a particular style sheet includes selecting at least one of the plurality of style sheets.

111. (cancelled)

112. (previously presented) The computer-readable medium of claim 104, wherein the second medium is a network, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from a remotely located server via the network.

113. (previously presented) The computer-readable medium of claim 104, wherein the second medium is a portable recording medium, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from the portable recording medium.

114.-118. (cancelled)

119. (previously presented) The method of claim 74, further comprising:

combining the visual and audio information and the processed content data for output by the display device.

120. (previously presented) The method of claim 74, wherein the content data includes a data module that is periodically repeated in the content data.

121.-124. (cancelled)

125. (previously presented) The apparatus of claim 89, further comprising:

a multiplexor operable to combine the visual and audio information and the processed content data for output by the display device.

126. (previously presented) The apparatus of claim 89, wherein the content data includes a data module that is periodically repeated in the content data.



127.-130. (cancelled)

131. (previously presented) The computer-readable medium of claim 104, wherein said method further comprises:

combining the visual and audio information and the processed content data for output by the display device.

132. (previously presented) The computer-readable medium of claim 104, wherein the content data includes a data module that is periodically repeated in the content data.

133.-136. (cancelled)

137. (previously presented) The method of claim 79, wherein the content data is written in a computer language format that includes arbitrarily definable tags.

138. (previously presented) The method of claim 137, wherein the computer language format includes extended markup language (XML) tags.

139. (previously presented) The method of claim 79, wherein the content data includes data selected from the group consisting of text data, still picture data, animation data, and voice data.

140. (previously presented) The method of claim 79, wherein the selected style sheet includes scripts that define the format information as a function of the stored display attributes.

141. (previously presented) The method of claim 79, wherein said step of obtaining at least one style sheet includes obtaining a plurality of style sheets, and said step of selecting a particular style sheet includes selecting at least one of the plurality of style sheets.

142. (previously presented) The method of claim 79, wherein said distribution channel is the digital broadcast signals, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from the digital broadcast signals.

143. (previously presented) The method of claim 79, wherein said distribution channel is a network, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from a remotely located server via the network.

144. (previously presented) The method of claim 79, wherein said distribution channel is a portable recording medium, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from the portable recording medium.

145. (previously presented) The method of claim 79, further comprising:

combining the visual and audio information and the processed content data for output by the display device.

146. (previously presented) The method of claim 79, wherein the content data includes a data module that is periodically repeated in the content data.

147. (previously presented) The apparatus of claim 94, wherein the content data is written in a computer language format that includes arbitrarily definable tags.

148. (previously presented) The apparatus of claim 147, wherein the computer language format includes extended markup language (XML) tags.

149. (previously presented) The apparatus of claim 94, wherein the content data includes data selected from the group consisting of text data, still picture data, animation data, and voice data.

150. (previously presented) The apparatus of claim 94, wherein the selected style sheet includes scripts that define the format information as a function of the stored display attributes.

151. (previously presented) The apparatus of claim 94, wherein said selecting section is operable to obtain a plurality

of style sheets, and to select at least one particular style sheet from the plurality of style sheets.

152. (previously presented) The apparatus of claim 94, wherein said distribution channel is the digital broadcast signals, and said selecting section is operable to obtain the at least one style sheet from the digital broadcast signals.

153. (previously presented) The apparatus of claim 94, wherein said distribution channel is a network, and said selecting section is operable to obtain the at least one style sheet from a remotely located server via the network.

154. (previously presented) The apparatus of claim 94, wherein said distribution channel is a portable recording medium, and said selecting section is operable to obtain the at least one style sheet from the portable recording medium.

155. (previously presented) The apparatus of claim 94, further comprising:

a multiplexor operable to combine the visual and audio information and the processed content data for output by the display device.

156. (previously presented) The apparatus of claim 94, wherein the content data includes a data module that is periodically repeated in the content data.

157. (previously presented) The computer-readable medium of claim 109, wherein the content data is written in a computer language format that includes arbitrarily definable tags.

158. (previously presented) The computer-readable medium of claim 157, wherein the computer language format includes extended markup language (XML) tags.

159. (previously presented) The computer-readable medium of claim 109, wherein the content data includes data selected from the group consisting of text data, still picture data, animation data, and voice data.

160. (previously presented) The computer-readable medium of claim 109, wherein the selected style sheet includes scripts that define the format information as a function of the stored display attributes.

161. (previously presented) The computer-readable medium of claim 109, wherein said step of obtaining at least one style sheet includes obtaining a plurality of style sheets, and said step of selecting a particular style sheet includes selecting at least one of the plurality of style sheets.

162. (previously presented). The computer-readable medium of claim 109, wherein said distribution channel is the digital broadcast signals, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from the digital broadcast signals.

163. (previously presented) The computer-readable medium of claim 109, wherein said distribution channel is a network, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from a remotely located server via the network.

164. (previously presented) The computer-readable medium of claim 109, wherein said distribution channel is a portable recording medium, and said step of obtaining at least one style sheet includes obtaining the at least one style sheet from the portable recording medium.

165. (previously presented) The computer-readable medium of claim 109, wherein said method further comprises:

combining the visual and audio information and the processed content data for output by the display device.

166. (previously presented) The computer-readable medium of claim 109, wherein the content data includes a data module that is periodically repeated in the content data.